THOMSON

AUDIO

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

CS100
CS105

Version (PC*): A

*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - il codice della versione è indicato nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.

Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Caracteristicas del aparato

Type of set: **Type d'appareil:** **Geräteart:** **Tipo d'apparecchio:** **Tipo de aparato:**	Two-in-one horizontale combination/DAD Ensemble compact stéréophonique DAD-2er Horizontal Kompaktanlage Compatto Hifi/CD Equipo compacto estereofónico/DAD	146 mm × 237 mm × 231 mm, 6kg
Power supply: **Alimentation:** **Stromversorgung:** **Alimentazione:** **Alimentación:**	230 V ~ 50Hz	**Nominal output power:** **Puissance nominale de sortie:** **Nennausgangsleistung:** **Potenza nominale di uscita:** **Potencia nominal de salida:** 2 x 5W (rms) 2 x 20W (music)
FM - MF: **MW - PO:** **LW - GO:**	87,5 - 108 MHz 522 - 1620 kHz 146 - 281 kHz	**Sensitivity:** **Sensibilité:** **Empfindlichkeit:** **Sensibilità:** **Sensibilidad:** **FM - MF:** 20∝V (S/N = 30 dB) **MW - PO:** 2000∝V/m (S/N = 20 dB) **LW - GO:** 2000∝V/m (S/N = 20 dB)
Frequency response: **Courbe de réponse:** **Frequenzgang:** **Curva di risposta:** **Curva de respuesta:**	125 Hz - 6,3 kHz (+3/-5 dB)	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** **Rapporto segnale / disturbo:** **Relación señal / ruido:** 40 dB
Wow and flutter: **Fluctuations:** **Gleichlauf:** **Fluttuazioni:** **Fluctuaciones:**	0,35%	4,75 cm/s << ◀◀ >> << ▶▶ >> C60: 170s
DAD **Disc rotation speed:** **Vitesse de rotation du disque:** **CD-Drehgeschwindigkeit:** **Velocità di rotazione del disco:** **Velocidad de rotación del disco:**	200 ➡ 500 tr/mn	**Frequency response:** **Courbe de réponse:** **Frequenzgang:** **Curva di risposta:** **Curva de respuesta:** 100 Hz - 16 kHz (-4/+2 dB)
Dynamic range: **Gamme dynamique:** **Dynamikumfang:** **Dinamica:** **Dinámica:**	60 dB	**Signal to noise ratio:** **Rapport signal / bruit:** **Geräuschspannungabstand:** **Rapporto segnale / disturbo:** **Relación señal / ruido:** 54 dB

WARNING : *Before servicing this chassis please read the safety recommendations.*
ATTENTION : *Avant toute intervention sur ce châssis, lire les recommandations de sécurité.*
ACHTUNG : *Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.*
ATTENZIONE : *Prima di intervenire sullo chassis, leggere le norme di sicurezza.*
IMPORTANTE : *Antes de cualquier intervención, leer las recomendaciones de seguridad.*

Code : 357 268 00 - 1003 / 3,7M - CRKD2110Print.

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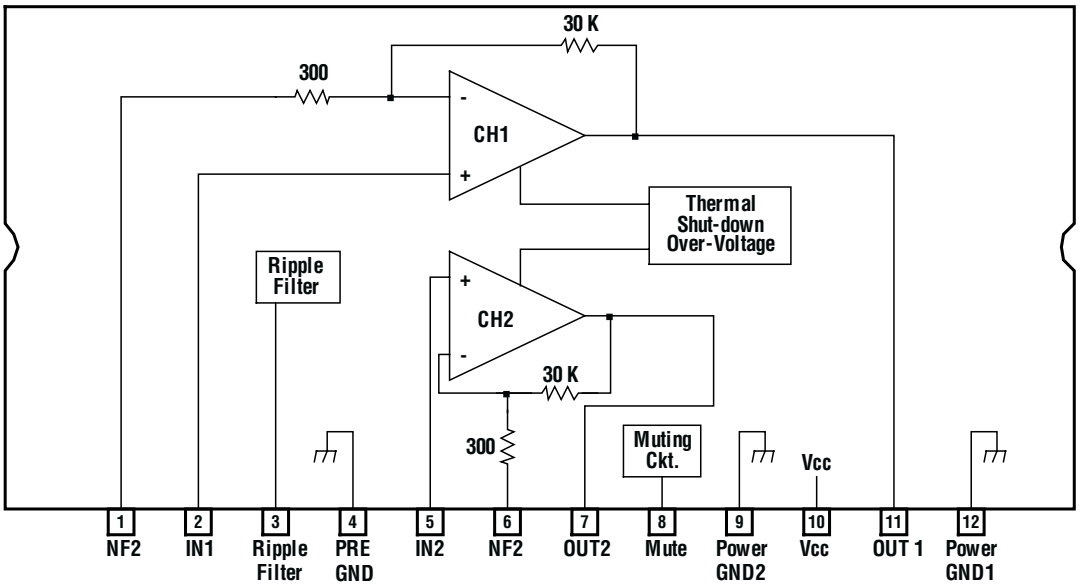
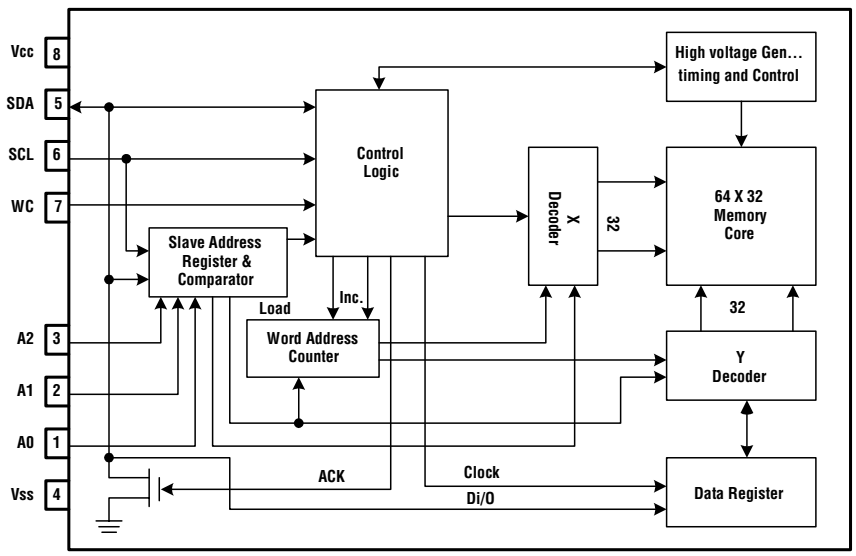
IC204 LA4282



IC4 ST24C02



Abbreviations - Abreviations - Abkürzungen - Abbreviazioni - Abreviaciones

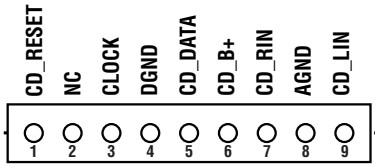
B_CUT	Beatcut	**PWR_FAIL**	Power Failure
CD_EN	CD Enable	**PWR_SW**	Power Switch
E. HD	Erase Head	**R.SPK+**	Right Speaker positive
GND	Ground	**RCH**	Right Chanel
L.SPK+	Left Speaker positive	**RCH_O/P**	Right Chanel Output
LCH	Left Chanel	**REC_CTRL**	Record Control
LCH_O/P	Left Chanel Output	**REC_SW**	Record Switch
LCH_RECIN	Left Chanel Record In	**REC_SYNC**	Record Synchronisation
LCH_RECIN	Right Chanel Record In	**SPK-**	Speaker negative
MOTOR_CTRL	Motor Control	**SYN_REC**	Synchronisation in Record mode
NC	Not Connected	**TUNER_EN**	Tuner Enable

CLASS 1 LASER PRODUCT
APPAREIL A LASER DE CLASSE 1
LASER KLASSE 1
APARATO CON LASER DE CLASE 1
APPARECCHIO CON LASER DI CLASSE 1

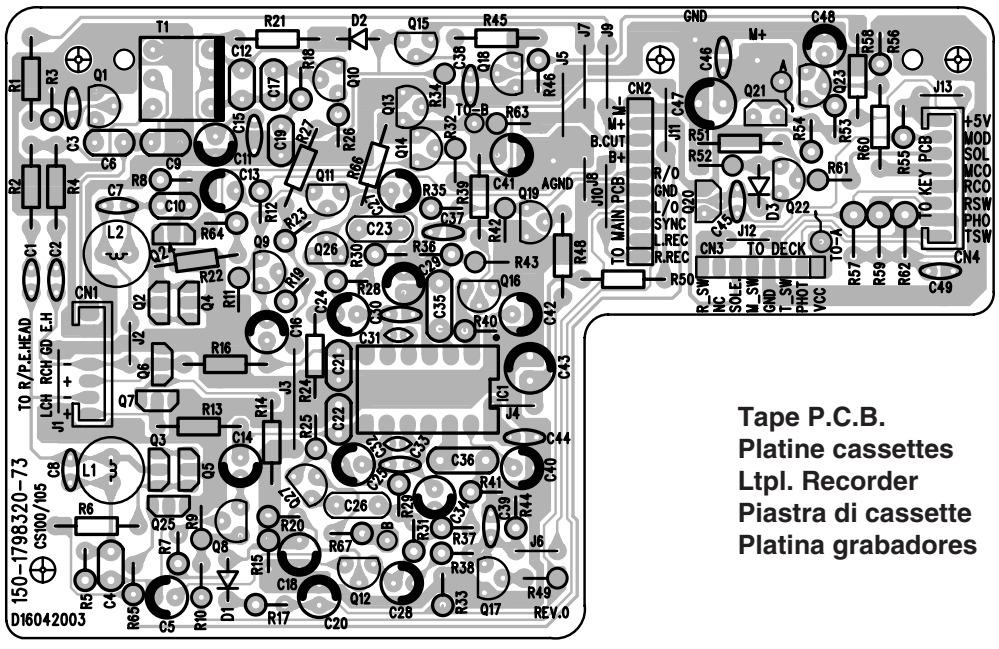
DANGER :	**Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.**
ATTENTION :	**Le rayon laser est invisible. Eviter l'exposition directe lors de la maintenance.**
VORSICHT BEI REPARATUREN :	**Bei geöffneter Schublade und Defekt der Sicherheits - vorrichtungen besteht die Gefahr unsichtbaren Laserlichts. Niemals direkt in den Laserstrahl sehen.**
ATTENZIONE :	**Il raggio laser è invisible. Evitare l'esposizione diretta durante la manutenzione.**
IMPORTANTE :	**El rayo laser es invisible. Evitar la exposición directa en el momento del mantenimiento.**

The complete Digital Processing Module is available from A.S.S. under Part Number :
En SAV, l'ensemble du module traitement digital est géré sous le code :
Die Sevice Bestell-Nr. für das Modul "Digital Processing kompl." ist :
Il codice del modulo completo di elaborazione digitale è :
En postventa, el modulo completo tratamiento digital lleva el código :

107 357 90

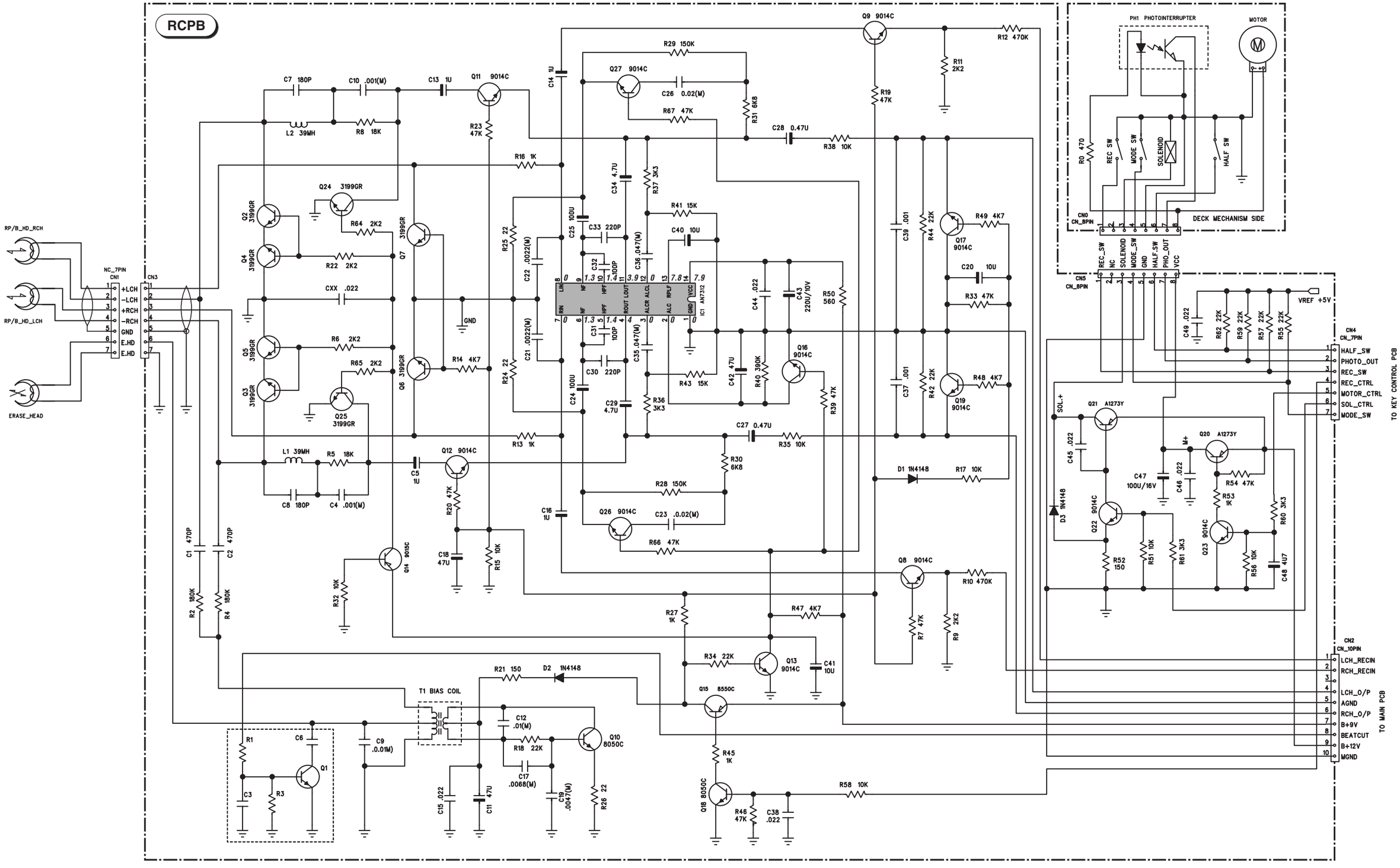


To Main Board

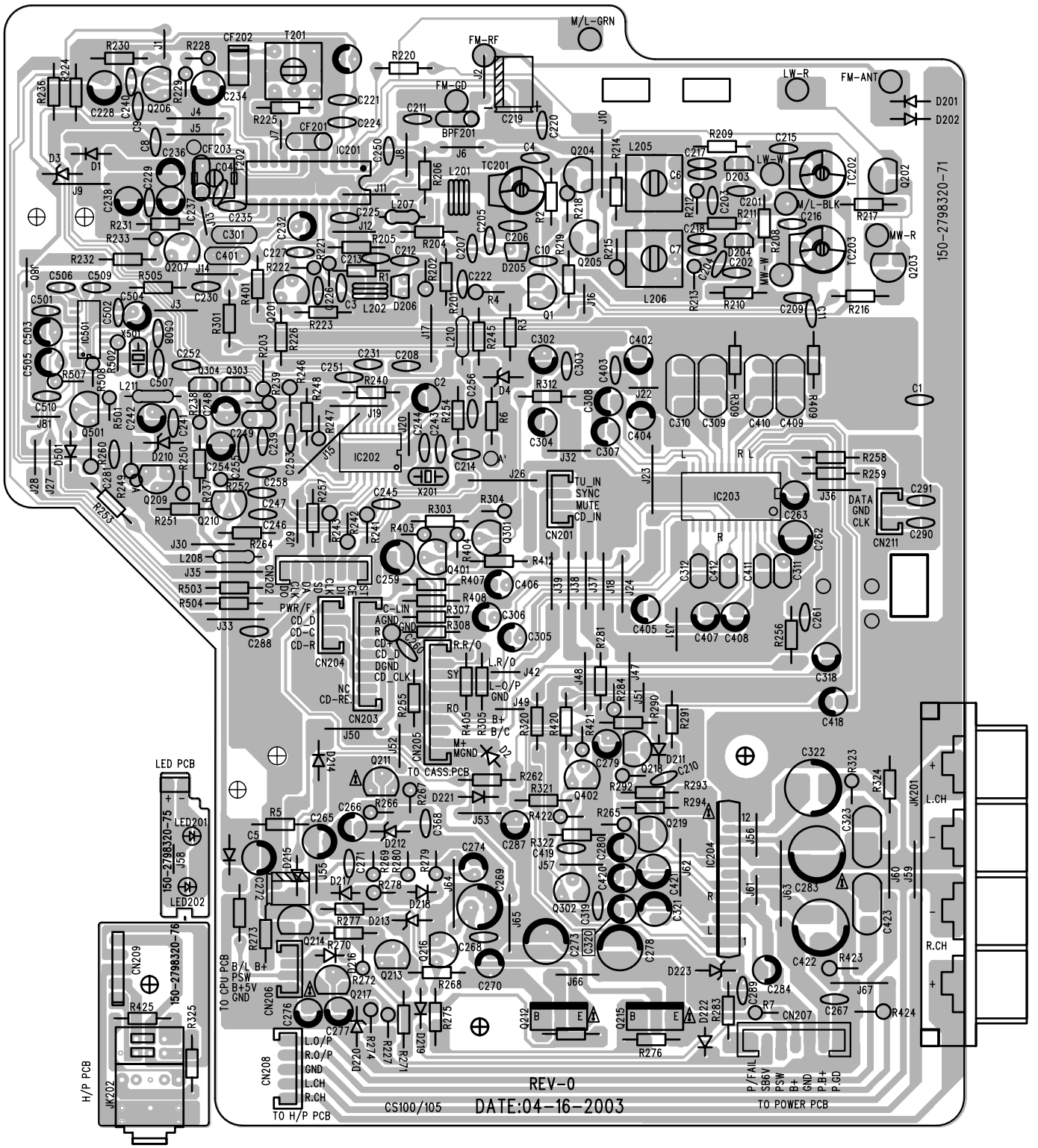


Tape P.C.B.
Platine cassettes
Ltpl. Recorder
Piastra di cassette
Platina grabadores

RECORD / PLAYBACK SCHEMATIC DIAGRAM - SCHEMA ENREGISTREMENT / LECTURE - AUFNAHME / WIEDERGABE SCHALTBILD - SCHEMA REGISTRAZIONE / RIPRODUZIONE - ESQUEMA GRABACION / REPRODUCCION



Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal



ADJUSTMENTS - RÉGLAGES - EINSTELLUNGEN - REGOLAZIONI - AJUSTES

AM alignment

		Gf	f	18888 kHZ		V
IF	1		450 kHz		T201	Max.
Osc	2	MW	522 kHz		L206	Vt = 1.1 ±0.1 V
	3		1620 kHz			Vt = 7.5 ±0.5 V
	4	LW	150 kHz		L205	Vt = 1.8 ±0.1V
	5		283 kHz			Vt = 5.5 ±0.5V
MW	6	Gf Ve = 1 mV	603 kHz	603 kHz	MW coil	Max.
	7		1404 kHz	1404 kHz	TC203	
LW	8		164 kHz	164 kHz	LW coil	Max.
	9		272 kHz	272 kHz	TC202	

FM alignment

		Gf	f	18888 kHZ		V
IF	1	Gf Ve = 1 mV	10,7 MHz			Max. symetry
Osc	2	Gf Ve = 1 mV	87,5 MHz		L202	Vt = 2.0 ±0.1 V
	3		108 MHz			Vt = 7.0 ±0.5 V
RF	4	Gf Ve = 1 mV	90 MHz	90 MHz	L201	Max.
	5		106 MHz	106 MHz	TC201	

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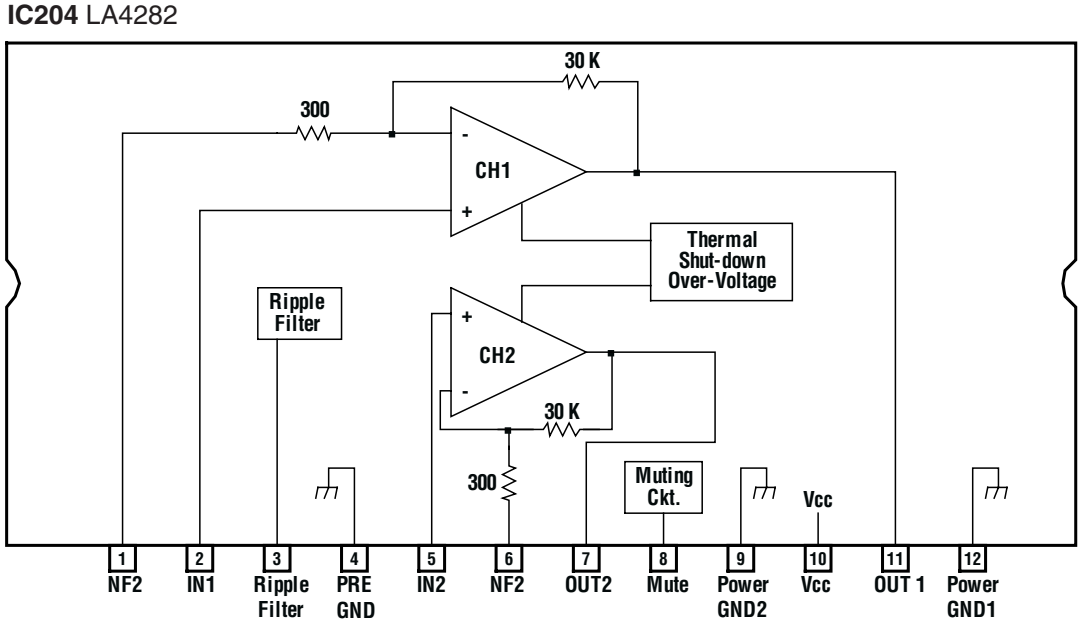
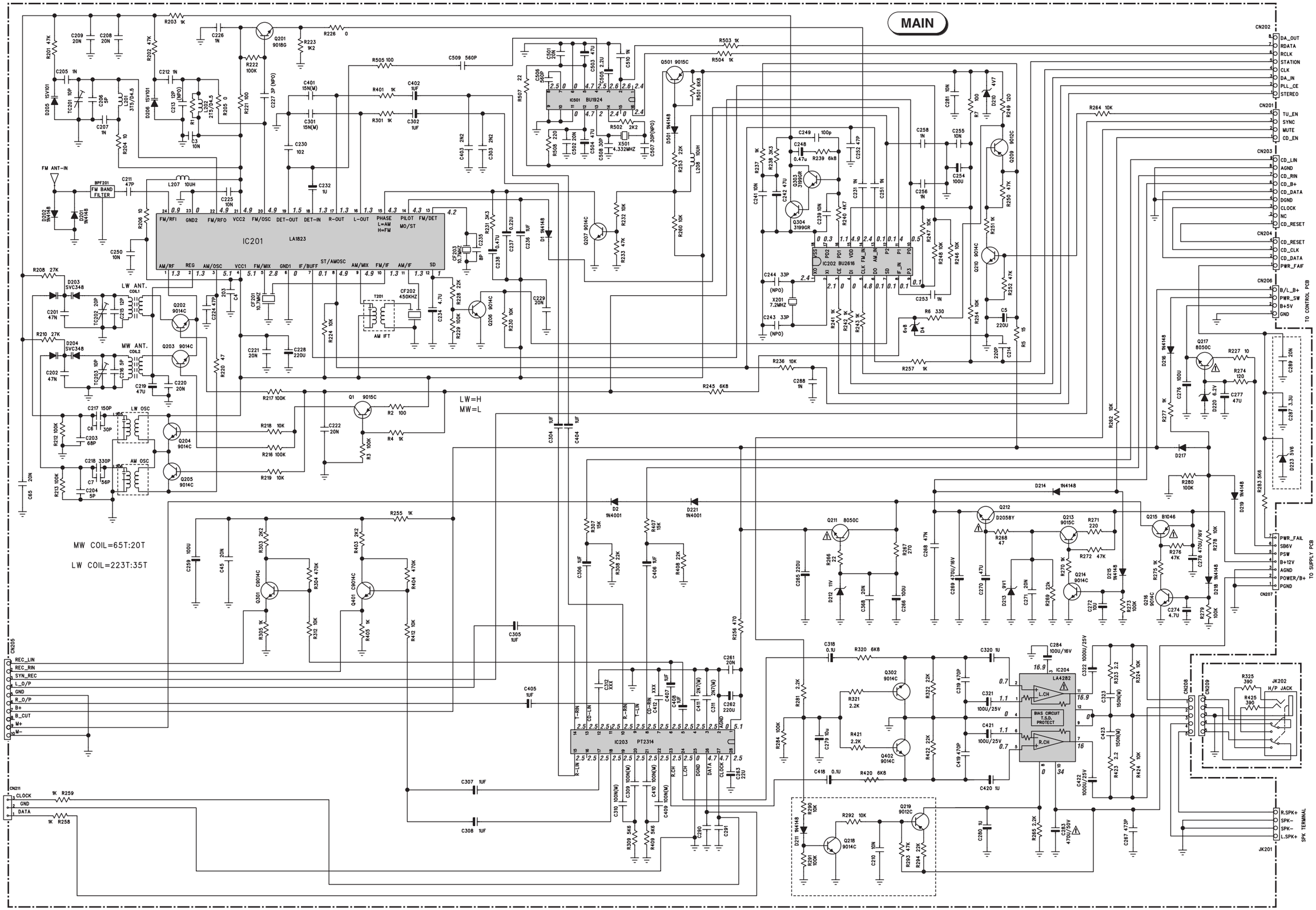
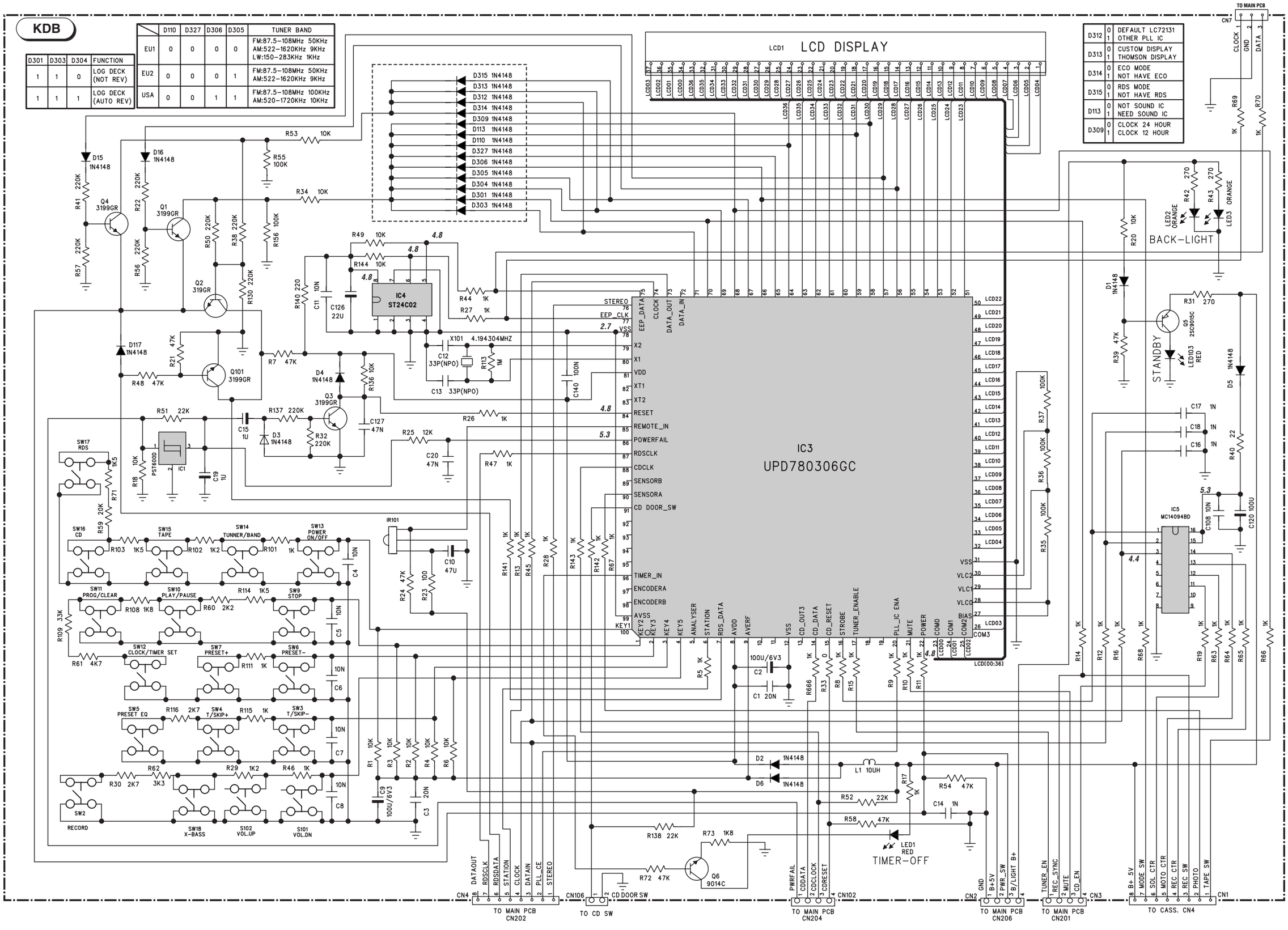


MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - GRUNDPLATTE SCHALTBILD - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL

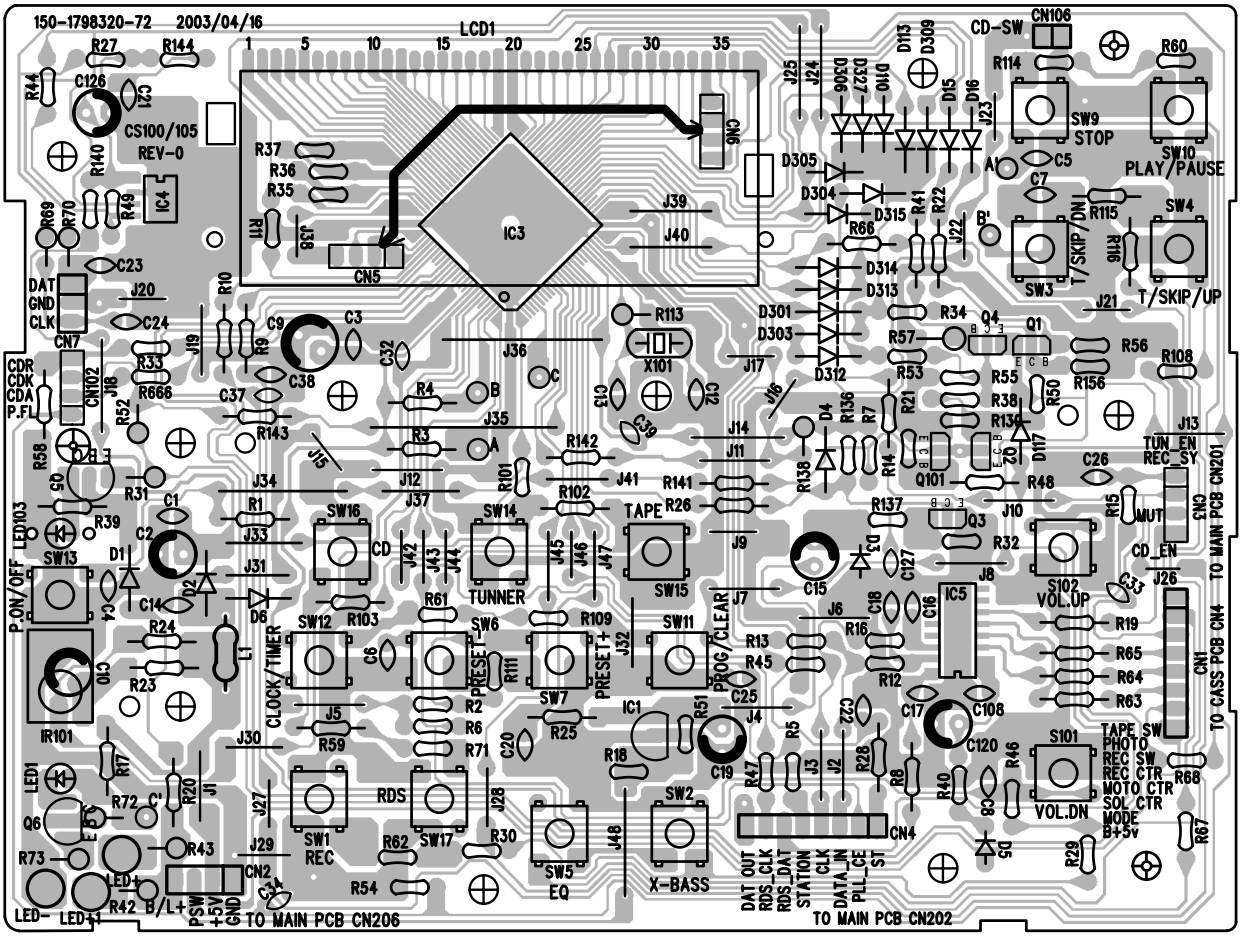


CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - BEDIENTEIL / ANZEIGE SCHALTBILD - SCHEMA COMANDI / INDICATORE - ESQUEMA MANDOS / INDICADOR



CRKD2110
First issue 10 / 03

Controls / display P.C.B.
Platine commandes / afficheurs
Ltpl. Bedienteil / Anzeige
Piastra comandi / indicatore
Platina de mandos / indicadores



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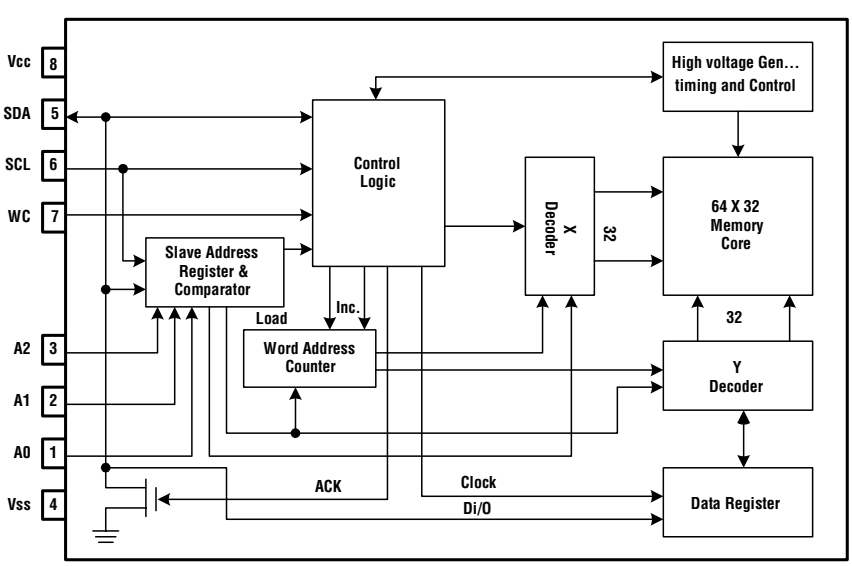
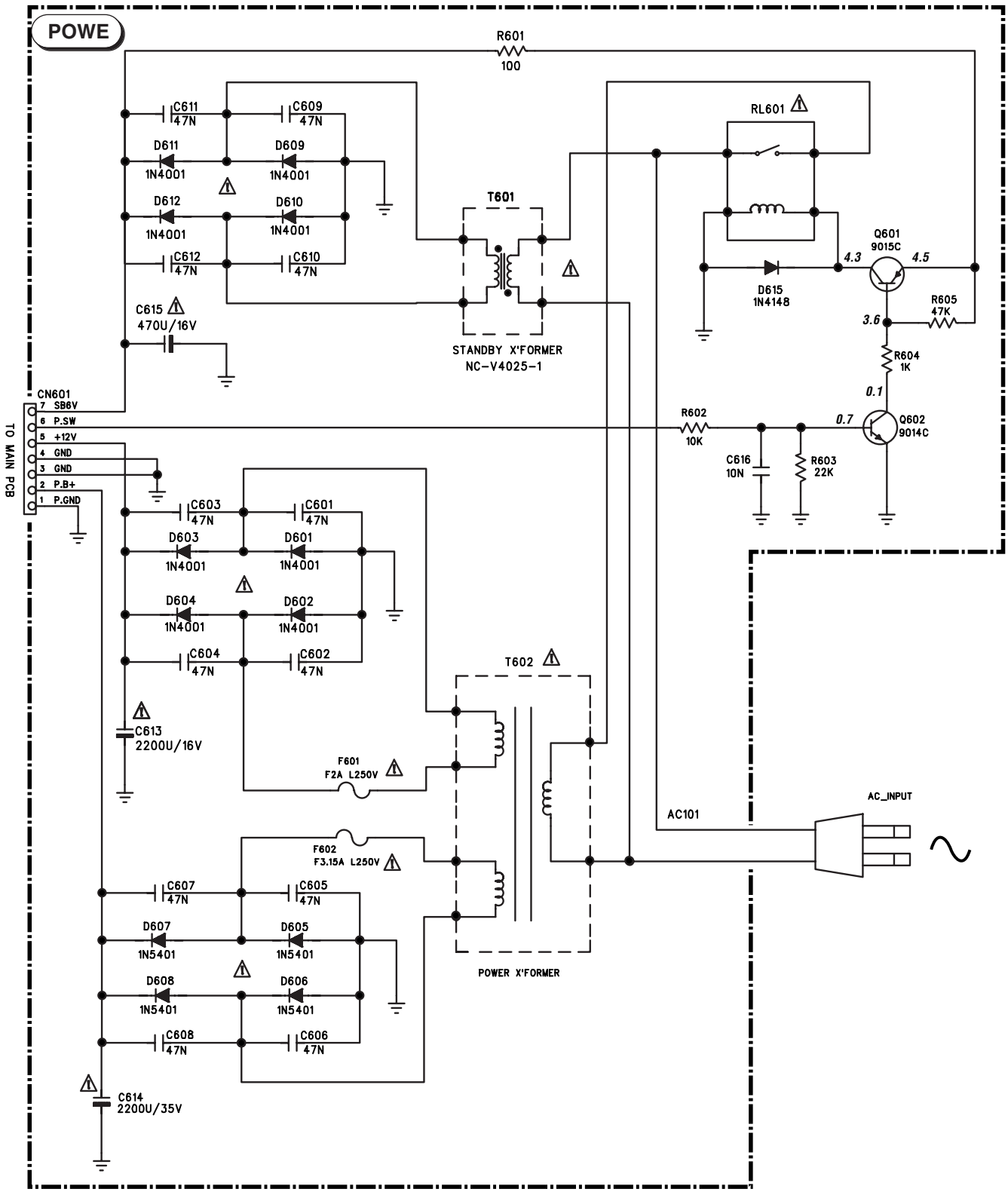
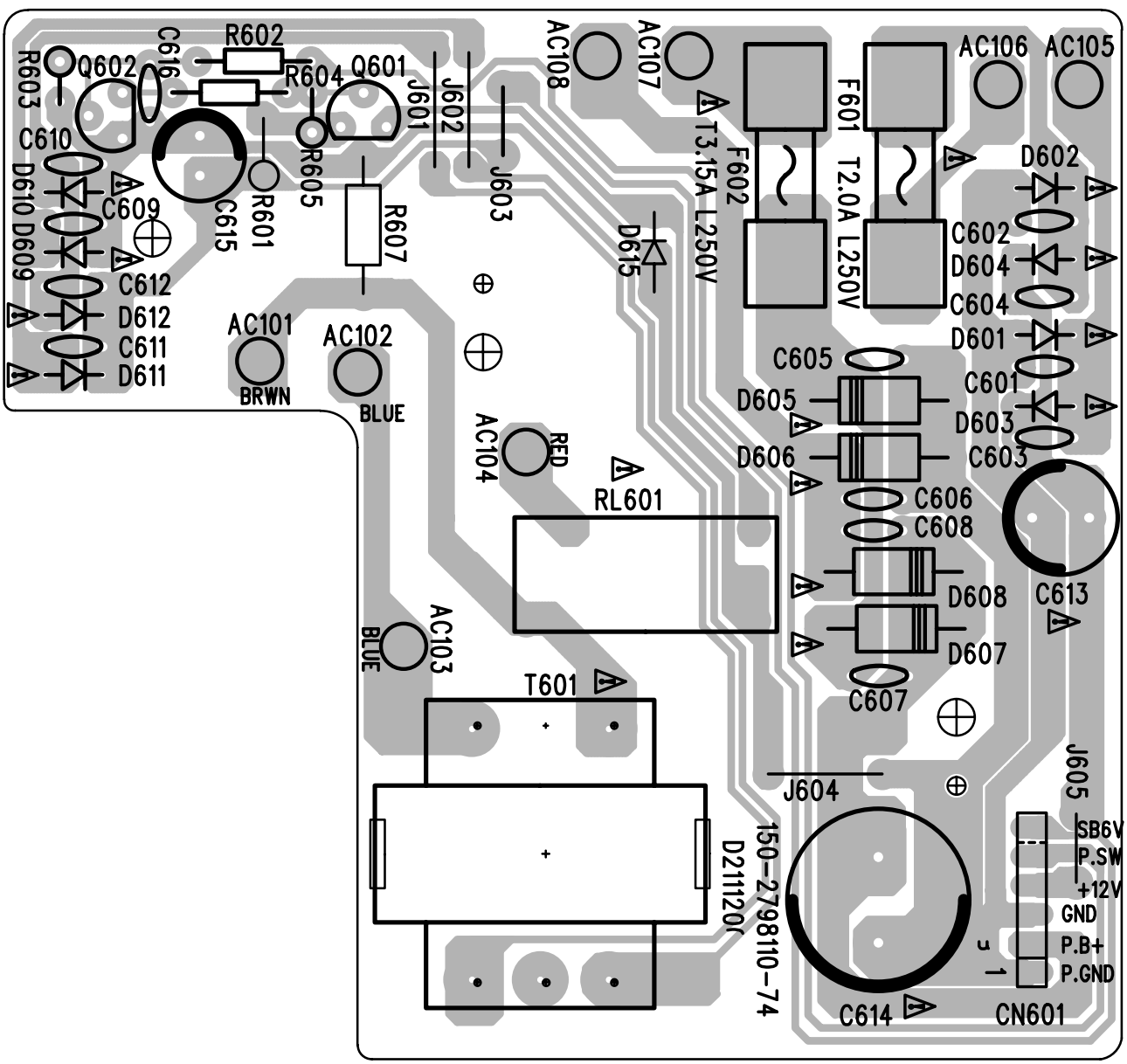


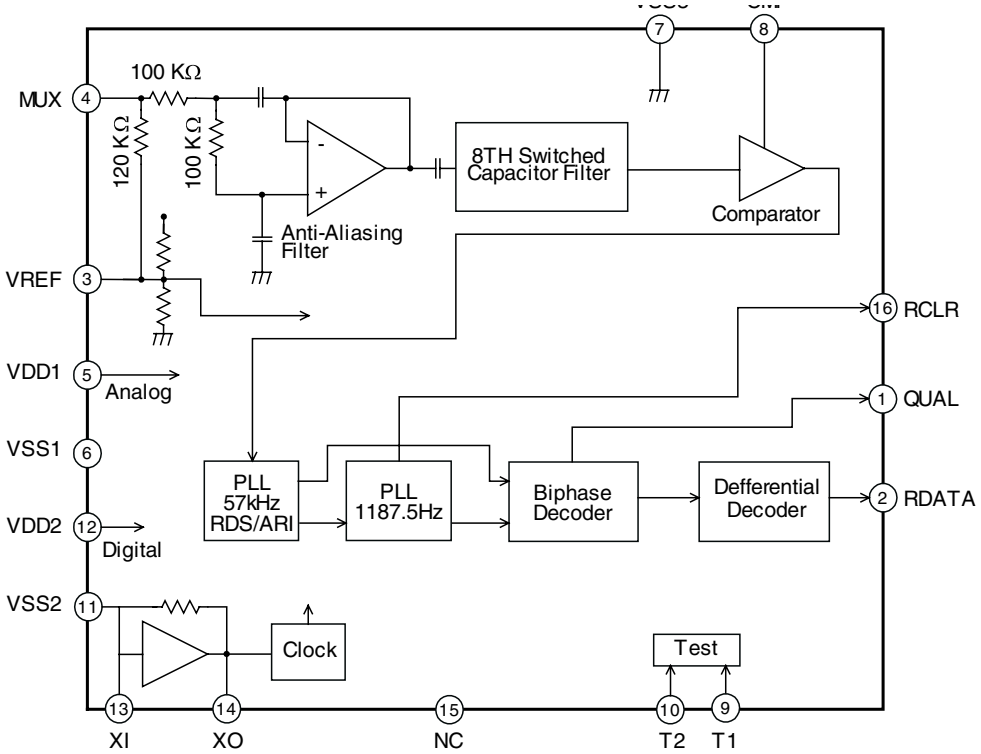
POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL - SCHEMA DELL' ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACIÓN



Power supply P.C.B.
Platine alimentation
Ltpl. Netzteil
Piastra alimentazione
Platina alimentación



IC501 BU1924F



IC1 PST600D